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DIAGRAMMATIC METHOD OF DETERMINING THE COST PER FOOT OF CAST IRON PIPE

By W. E. Miller

Since the costs and values of cast iron pipe are usually wanted in terms of dollars and cents per lineal foot, and the purchase is usually made on a tonnage basis, it has heretofore been necessary to make calculations of the costs per foot every time such a figure is wanted.

A straight edge and the accompanying diagram, if kept handy, will be a very convenient and satisfactory means of quickly obtaining the cost per foot of any common size of cast iron pipe in the American Water Works Association classes A, B, C and D, from any price per ton.

The diagram is mathematically constructed on logarithmic scales. The results sought may be read direct on the central scale by the straight edge laid across the price per ton on the left hand scale, and the size and class on the right hand scale.

In using the right hand scale care should be taken to use the points on the vertical line, not the numerals to the left and right of it. It will be noted in this connection that the size numerals each occur four times and are arranged in four columns under the class letters, and are opposite the proper points on the vertical scale.

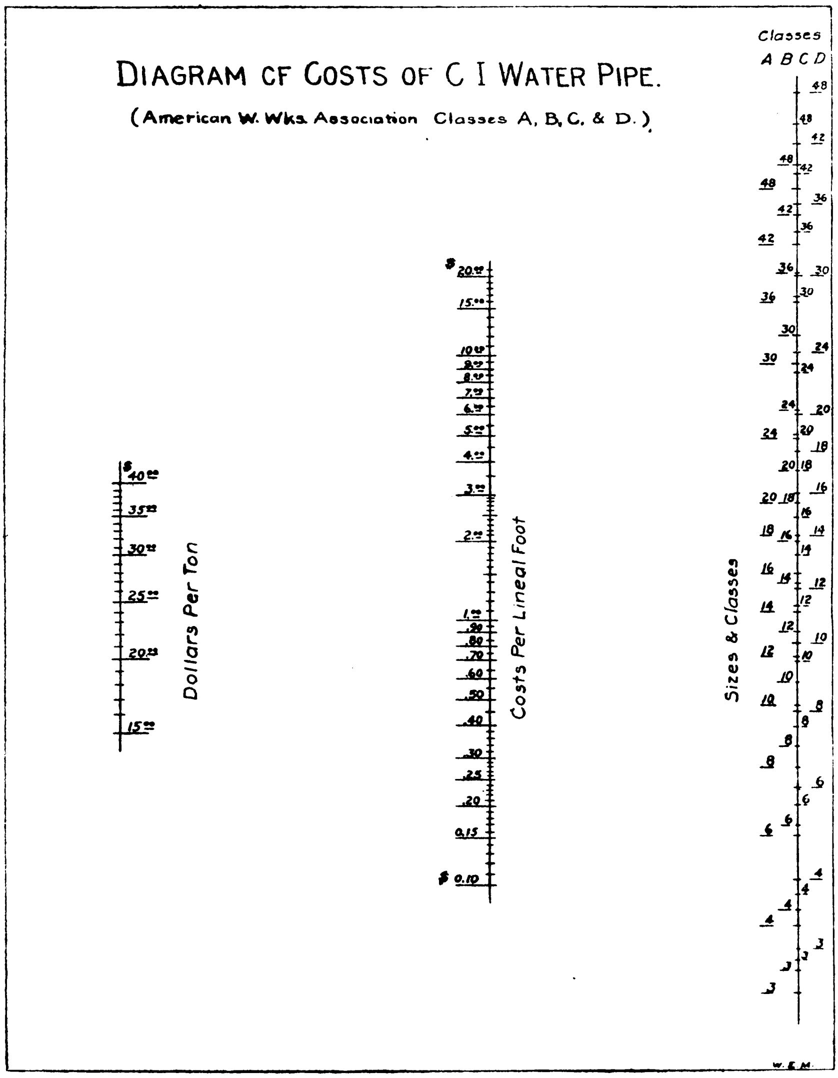
DIAGRAM OF COSTS OF C I WATER PIPE.
(American W. Wks. Association Classes A, B, C, & D.)
Dollars Per Ton
$40.00
35.00
30.00
25.00
20.00
15.00
Costs Per Lineal Foot
$20.00
15.00
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
.90
.80
.70
.60
.50
.40
.30
.25
.20
0.15
$ 0.10
Sizes & Classes
Classes
A B C D
48
42
36
30
24
20
18
16
14
12
10
8
6
4
3
W. E. M.